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RAW SEQUENCE LISTING DATE: 04/30/2002
PATENT APPLICATION: US/10/027,038 TIME: 15:35:02

Input Set : A:\10-027038 Sequence Listing.txt
Output Set: N:\CRF3\04302002\J027038.raw

<110> APPLICANT: Quirk, S.
<120> TITLE OF INVENTION: Modular peptide-based reagent
<130> FILE REFERENCE: 1443.026US1
<140> CURRENT APPLICATION NUMBER: US 10/027,038
<141> CURRENT FILING DATE: 2001-12-20
<160> NUMBER OF SEQ ID NOS: 34
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 36
<212> TYPE: PRT
<213> ORGANISM: Meleagris gallopavo
<400> SEQUENCE: 1
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Arg His Arg Tyr
35
<210> SEQ ID NO: 2
<211> LENGTH: 36
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 2
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Val Val Thr
20 25 30
Arg His Arg Tyr
35
<210> SEQ ID NO: 3
<211> LENGTH: 37
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 3
Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu
1 5 10 15
Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val
20 25 30
Thr Arg His Arg Tyr

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60 35
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 37
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: A peptide backbone.
70 <400> SEQUENCE: 4
71 Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu
72 1 5 10 15
73 Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Cys Val
74 20 25 30
75 Thr Arg His Arg Tyr
76 35
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 36
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: A peptide backbone.
86 <400> SEQUENCE: 5
87 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Ala Pro Val Glu Asp
88 1 5 10 15
89 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
90 20 25 30
91 Arg His Arg Tyr
92 35
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 36
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: A peptide backbone.
102 <400> SEQUENCE: 6
103 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Gly Pro Val Glu Asp
104 1 5 10 15
105 Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
106 20 25 30
107 Arg His Arg Tyr
108 35
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 4
112 <212> TYPE: PRT
113 <213> ORGANISM: Meleagris gallopavo
115 <400> SEQUENCE: 7
116 Arg His Arg Tyr
117 1
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 34

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<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 8
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Ala Ala
<210> SEQ ID NO: 9
<211> LENGTH: 37
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 9
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Arg His Arg Tyr Cys
35
<210> SEQ ID NO: 10
<211> LENGTH: 33
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 10
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30
Cys
<210> SEQ ID NO: 11
<211> LENGTH: 36
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 11
Met Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu
1 5 10 15
Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val
20 25 30
Thr Ala Ala Cys
35
<210> SEQ ID NO: 12

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Input Set : A:\10-027038 Sequence Listing.txt
Output Set: N:\CRF3\04302002\J027038.raw

<211> LENGTH: 111
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
<400> SEQUENCE: 12
atgtgcccga gccagccgac ctatccgggc gatcccgggc cggtggaaga tctgatccgc 60
ttttatgata acctgcagca gtggctgaac tgcgtgaccg ccgcctgcta g 111
<210> SEQ ID NO: 13
<211> LENGTH: 132
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A nucleotide sequence encoding SEQ ID NO:11.
<400> SEQUENCE: 13
acacaccata tgtgcccgag ccagccgacc tatccgggcg atcccgggcc ggtggaagat 60
ctgatccgct tttatgataa cctgcagcag tggctgaact gcgtgaccgc cgcctgctag 120
ggatccacac ac 132
<210> SEQ ID NO: 14
<211> LENGTH: 35
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide backbone.
<400> SEQUENCE: 14
Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Gly Pro Val Glu Asp
1 5 10 15
Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Trp Leu Asn Cys Val Thr
20 25 30
Ala Ala Cys
35
<210> SEQ ID NO: 15
<211> LENGTH: 6
<212> TYPE: PRT
<213> ORGANISM: Bos taurus
<400> SEQUENCE: 15
Pro Tyr Arg Ile Arg Phe
1 5
<210> SEQ ID NO: 16
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A portion of the recognition sequence from Bovine Pancreatic Trypsin Inhibitor (PYRIRF, SEQ ID NO:15) converted into this DNA sequence using E. coli codon usage.
<400> SEQUENCE: 16
ccgtatcgca tccgcttt 18

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Input Set : A:\10-027038 Sequence Listing.txt
Output Set: N:\CRF3\04302002\J027038.raw

<210> SEQ ID NO: 17
<211> LENGTH: 30
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: SEQ ID NO:16 with flanking Sma I sites.
<400> SEQUENCE: 17
cccgggccgt atcgcatccg ctttcccggg 30
<210> SEQ ID NO: 18
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide interactive domain.
<400> SEQUENCE: 18
Tyr Lys Leu Lys Tyr
1 5
<210> SEQ ID NO: 19
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: SEQ ID NO:18 converted into this DNA sequence.
<400> SEQUENCE: 19
tataaactga agtat 15
<210> SEQ ID NO: 20
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: SEQ ID NO:19 with Sma I flanking sequences.
<400> SEQUENCE: 20
cccgggtata aactgaagta tcccggg 27
<210> SEQ ID NO: 21
<211> LENGTH: 41
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: A peptide-based reagent that combines the SEQ ID NO:15 interactive domain with the SEQ ID NO:11 peptide backbone.
<400> SEQUENCE: 21
Cys Pro Ser Gln Pro Thr Tyr Pro Gly Asp Pro Pro Tyr Arg Ile Arg
1 5 10 15
Phe Gly Pro Val Glu Asp Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln
20 25 30
Trp Leu Asn Cys Val Thr Ala Ala Cys
35 40
<210> SEQ ID NO: 22

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/027,038

DATE: 04/30/2002
TIME: 15:35:04

Input Set : A:\10-027038 Sequence Listing.txt
Output Set: N:\CRF3\04302002\J027038.raw